Solution Portfolio

Back-end Supply chain Solution

OEM

Supply Chain Analytics (powered by Al/ML)

- Delivery Risk Assessment
- Predictive Quality
- Material Cost Optimization
- Production Capacity Analytics
 Supplier Performance Benchmarking

End-to-End Supply Chain Monitoring

Control Tower Dashboard

Intelligent Supply Chain Asset Management • Mold Auditing

- Mold Requirement Optimization
- Maintenance Reporting

Collaboration

- External Solution Integration(Open API): ERP, Procurement, Maintenance
- · Delivery Logistics System Integration
- Collaboration Solution: Design, Plan, Inventory, Maintenance

Supplier

- Production Planning
- Production Execution (Inventory, Quality)
- · Predictive Maintenance (Equipment & Tooling)
- · Digital Twin

Supplier Sourcing Platform

Unlike open manufacturing marketplaces(ex, Xometry, Fast Radius), the eMoldino Sourcing Platform provides:

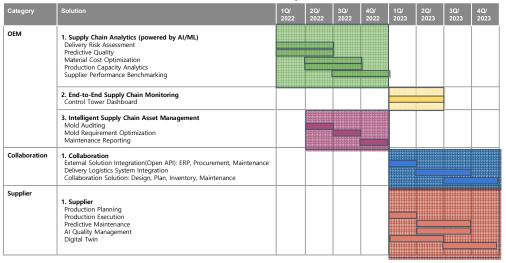
For OEM, private services to source the best suitable suppliers using eMoldino's Data Hub and Intelligence For Supplier, opportunity to expose to other business potential OEMs

- · Supplier Sourcing Portal
- Al Sourcing Engine
- Supplier Management

Company data: OEM/Supplier/Toolmaker Part data Tool/Equipment data

Market Intelligence data

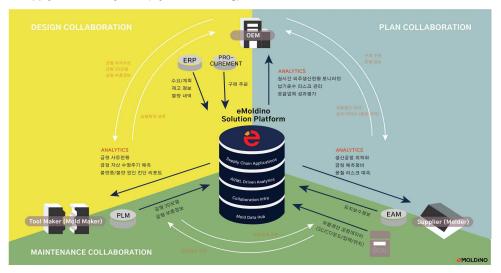
Solution Roadmap



솔루션 내재화 및 Upgrade 방안

솔루션 내재화	. Front-end/Back-end Separation Business Logic, Database 등 Back-end 소스는 이몰디노 내부 개발팀에서 전담, 외부 접근 차단 . Front-end 소스만 외부 개발자와 공유하도록 분리
Microservice로 Solution Upgrade	. 1단계 . File 형태의 소스코드를 Docker 이미지로 배포 Docker container 로 AWS Cloud 에서 실행할 수 있도록 전환 2단계 . AWS Kubernetes 환경 구축 . Kubernetes 환경에 Microservice 형태의 솔루션을 Docker 형태로 배포 DB는 기존 AWS RDS 유지 . AWS MKS(Kafka)를 이용한 Microservice 간 메세지 통신 큐 설정 . Istio 를 이용한 Microservice Gateway 구축

Supply Chain Ecosystem (Injection Molding)



eMoldino Supply Chain Applications

